SANSUI

SERVICE MANUAL

A-770

INTEGRATED AMPLIFIER

NOTE

A-770 is additional model which external appearances are different from those of A-700.
This manual contains PACKING LIST, ACCESSORY LIST, PARTS LOCATION ON BOARD, PARTS LIST OF BOARD, SCHEMATIC DIAGRAM and OTHER PARTS.
For servicing, refer to this manual together with A-700/730 service manual previously issued.

537

CAUTION

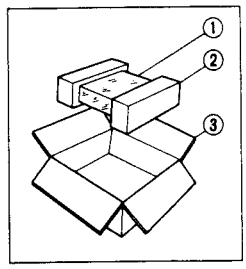
1. Parts identified by the ⚠ symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

NOTE

1. The symbols, CSA, EU, BS, SEV, XX <EXPORT> and XX-V <EXPORT-V> on the parts list mean followings respectively.
   EU ..... Manufactured for European market.
   CSA ..... Manufactured for Canadian market.
   BS..... Manufactured for United Kingdom market.
   SEV ..... Manufactured for Swiss market.
   NON MARK ..... Common Parts.
   XX <EXPORT> ..... Standard Version with Inner Voltage Selector.
   XX-V <EXPORT-V> ..... Standard Version with Outer Voltage Selector.
2. On the parts list, the different parts are specified by "#" mark.

1. PACKING LIST

Parts No.	Stock No.	Description
#1	47859900	Vinyl Cover
#2	27139910	Styrofoam Packing
#3	84545200	Carton Case



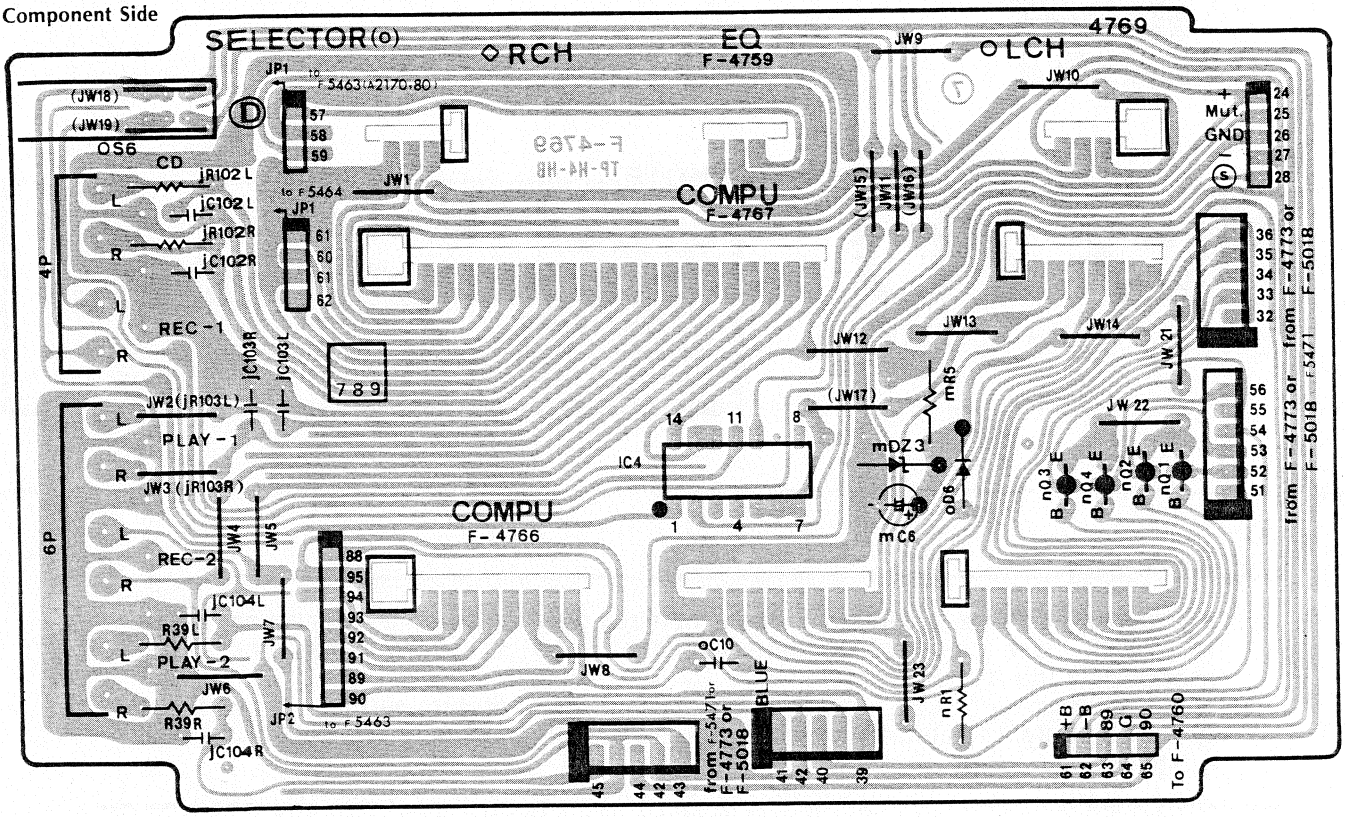
2. ACCESSORY LIST

Parts No.	Stock No.	Description
#	84450000	Operating Instruction (*E•F•S)
#	84450100	Operating Instruction (*G•I•Sw)

***Note:**
E•F•S: **E**nglish•**F**rench and **S**panish Version
G•I•Sw: **G**erman•**I**talian and **Sw**edish Version

3. PARTS LOCATION ON BOARD (#F-4769 Input Terminal Board)

Component Side



4. PARTS LIST OF BOARD

-NOTE

1. Some printed circuit boards are not supplied assembled. To separate these in this service manual, the stock numbers are not indicated for these boards. However, stock numbers for individual parts are indicated.

2. Since some capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors and resistors, which was issued on June 1987.

3. Abbreviations in this service manual are as follows.

•Abbreviations List

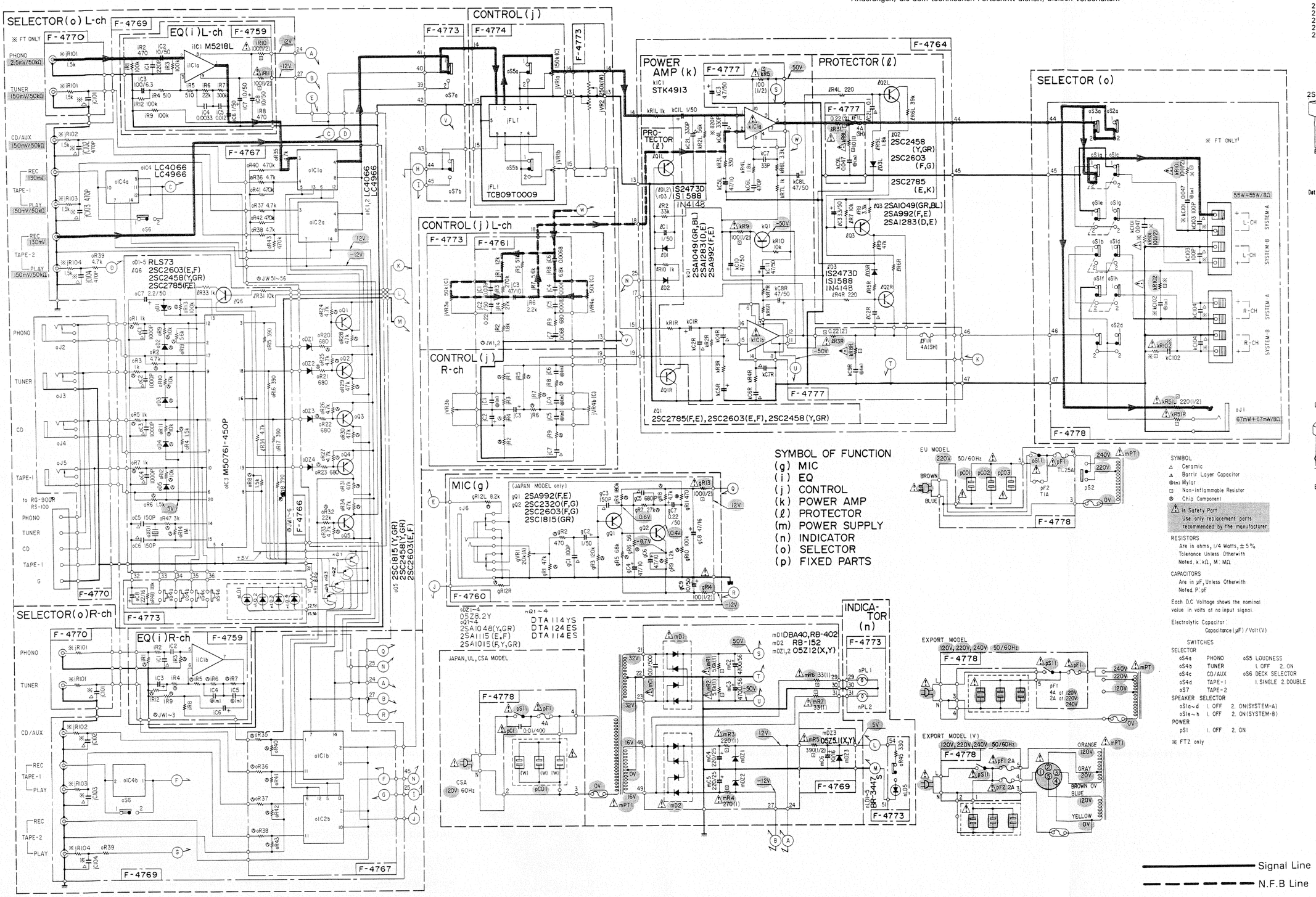
N.I.R.	:	Non-Inflammable Resistor
C.C.	:	Ceramic Capacitor
F.C.	:	Film Capacitor
E.C.	:	Electrolytic Capacitor
E.B.	:	Bi-Polar Electrolytic Capacitor

4-1. F-4769 Input Terminal Board (#Stock No. 01064201)

Parts No.	Stock No.	Description
•Zener Diode		
mDZ3	46100900	05Z5.1-X
	or 46101000	05Z5.1-Y
•Transistor		
#nQ1	48172300	DTA114
#	or 46923300	DTA124
#	or 48229700	DTA114
#nQ2	48172300	DTA114
#	or 46923300	DTA124
#	or 48229700	DTA114
#nQ3	48172300	DTA114
#	or 46923300	DTA124
#	or 48229700	DTA114
#nQ4	48172300	DTA114
#	or 46923300	DTA124
#	or 48229700	DTA114
⚠mR5	46229700	390Ω 1/2W N.I.R.
•IC		
oIC4	46255000	LC4066BH
	or 48056800	LC4966
oS6	46670600	Push SW., DECK SELECTOR
oZ3	46546800	6p Terminal Board, TAPE-1 (PLAY), TAPE-2
oZ6	46371500	4p Terminal Board, CD/AUX. TAPE-1 (REC)

5. SCHEMATIC DIAGRAM

- Design and specifications subject to change without notice for improvement.
- La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
- Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



4-2. F-4764 Power Amp. Sub Board (#Stock No. 01064101)

Parts No.	Stock No.	Description
•Transistor		
kQ1	46581601	2SA992
	or 46614001	2SA1283
	or 46947301	2SA1049
⚠kR9	46229000	100Ω 1/2W N.I.R.
#kC1	48103400	1μF 50V E.B.
#kC8	08414700	47μF 50V E.B.
#kC10	08414700	47μF 50V E.B.
#kC11	08414700	47μF 50V E.B.
•Transistor		
IQ1	46367101	2SC2603
	or 46367301	2SC2458
	or 46392101	2SC2785
IQ2	46367101	2SC2603
	or 46367301	2SC2458
	or 46391901	2SC2785
IQ3	46581601	2SA992
	or 46614001	2SA1283
	or 46947301	2SA1049
•Diode		
ID1	03117600	1S2473T77
	or 46086000	1S1588TP-3
ID2	03117600	1S2473T77
	or 46086000	1S1588TP-3
ID3	03117600	1S2473T77
	or 46086000	1S1588TP-3

4-3. F-4773 Tone Control & BALANCE Volume Board

Parts No.	Stock No.	Description
jVR2	48171100	250kΩ (W) V.R., BALANCE
jVR3	48171200	50kΩ (C) V.R., BASS
jVR4	48171200	50kΩ (C) V.R., TREBLE
•LED		
#nLD1	48835400	SEL2910A, PHONO
#nLD2	48835400	SEL2910A, TUNER
#nLD3	48835400	SEL2910A, CD
#nLD4	48835400	SEL2910A, TAPE-1
#nLD5	48835400	SEL2910A, TAPE-2
nPL1	48191900	12V 0.15 A Pilot Lamp
nPL2	48286600	12V 0.15 A Pilot Lamp
oS4	48178600	Push SW., PHONO•TUNER• CD/AUX•TAPE-1
oS7	46556300	Push SW., REMOTE CONT./TAPE-2

4-4. F-4774 VOLUME Control & LOUDNESS SW. Board

Parts No.	Stock No.	Description
jFL1	48172000	CR Module (TCB09T0009)
jVR1	48171000	150kΩ (B) V.R., VOLUME
#oS5	48224600	Push SW., LOUDNESS

4-5. F-4777 Power Supply & Power Amp. Board (#Stock No. 01064501)

Parts No.	Stock No.	Description
•IC		
⚠kIC1	48065400	STK4913
⚠kR5	46229000	100Ω 1/2W N.I.R.
⚠kR8	46248100	10Ω 1/2W N.I.R.
⚠kR9	46229000	100Ω 1/2W N.I.R.
kC9	46281300	0.047μF 50V F.C.
⚠IR3	46621100	0.22Ω 2W N.I.R.
#IF1	48231700	4.0A QA Fuse
•Diode		
⚠mD1	48177400	DBA40-C
⚠mD2	03117000	RB152-LFF
•Zener Diode		
mDZ1	46103600	05Z12-X
	or 46103700	05Z12-Y
mDZ2	46103600	05Z12-X
	or 46103700	05Z12-Y
⚠mR1	46251400	5.6kΩ 1W N.I.R.
⚠mR2	46251400	5.6kΩ 1W N.I.R.
⚠mR3	46249800	270Ω 1W N.I.R.
⚠mR6	46248700	33Ω 1W N.I.R.
⚠mR7	46248700	33Ω 1W N.I.R.
mC1	08680400	0.01μF 500V C.C.
mC2	46395200	4700μF 56V E.C.
mC3	46395200	4700μF 56V E.C.

4-6. F-4778 SPEAKERS Terminal, POWER & SPEAKERS SW. Board

Parts No.	Stock No.	Description
⚠kR51	46229400	220Ω 1/2W N.I.R.
⚠kR101	46248100	10Ω 1/2W N.I.R.
⚠kR102	46248100	10Ω 1/2W N.I.R.
oS1	48170900	Push SW., SPEAKERS
oS2	46414000	Push SW., Mute SW. (POWER)
oS3	46360800	Push SW., Mute SW. (POWER)
oJ1	46265700	Jack, PHONES
oZ4	46947500	8p Terminal Board, SPEAKERS
⚠pC1	46425800	0.01μF 400V C.C.
⚠	or 46943200	0.01μF 400V C.C.
⚠	or 48186700	0.01μF 400V C.C.
#⚠pF1	48721700	4.0A 250V Fuse, (CSA)
⚠	07188600	2.0A 250V Fuse, (XX-V)
⚠	07184800	1.25A 250V Fuse, (EU•BS•SEV)
⚠pF2	07188600	2.0A 250V Fuse, (XX-V)
#⚠	07184700	1.0A 250V Fuse, (SEV)
#⚠pS11	83004200	Push SW., POWER (XX-V•EU•BS•SEV)
#⚠	48065100	Push SW., POWER (CSA)

6. OTHER PARTS

6-1. Front View

Parts No.	Stock No.	Description
# 1	37502301	Front Panel Ass'y
2	47732900	Slide Knob, BASS•TREBLE• BALANCE
3	48171200	50kΩ (C) Slide V.R., BASS• TREBLE
4	48171100	250kΩ Slide V.R., BALANCE
# 5	47910200	Bonnet (XX-V•CSA)
#	27000210	Bonnet (EU•BS•SEV)
6	48178600	Push SW., PHONO•TUNER• CD/AUX TAPE-1
# 7	84543700	Knob Ass'y, VOLUME
8	48171000	150kΩ (B) V.R., VOLUME
# 9	47763510	Push Knob, LOUNDNESS
#10	48224600	Push SW., LOUDNESS
11	46556300	Push SW., REMOTE CONT./ TAPE-2
12	46265700	Jack, PHONES
#13	07911000	Push Knob, SPEAKERS
14	48170900	Push SW., SPEAKERS
#15	47747100	Push Knob, POWER
#16	83004200	Push SW., POWER (XX-V•EU•BS•SEV)
#	48065100	Push SW., POWER (CSA)
17	46414000	Push SW., Mute SW.
18	46360800	Push SW., Mute SW.

6-2. Top View

Parts No.	Stock No.	Description
⚠ 1	38004700	Power Supply Cord (XX-V)
⚠	48187800	Power Supply Cord (CSA)
⚠	38004500	Power Supply Cord (EU•SEV)
⚠	38004300	Power Supply Cord (BS)
⚠ 2	46947500	8p Terminal Board, SPEAKERS
#⚠ 3	83020402	Power Transformer (CSA)
#⚠	83020405	Power Transformer (EU•BS•SEV)
#⚠	83020409	Power Transformer (XX-V)
⚠ 4	48175200	Voltage Selector (XX-V)
⚠	07204700	Slide SW., Voltage Selector (EU•BS•SEV)
⚠ 5	46360100	AC Outlet (XX-V)
⚠	48184800	AC Outlet (CSA)
⚠	46161000	AC Outlet (EU•SEV)
⚠	46364800	AC Outlet (BS)
6	48197700	5p Terminal Board (with wire), remote control
7	22301510	GND Terminal
8	46438100	2p Terminal Board, PHONO
9	46363700	2p Terminal Board, TUNER
10	46547200	Jack, COMPU SELECTOR
11	46371500	4p Terminal Board, CD/AUX TAPE-1 (REC)
12	46546800	6p Terminal Board, TAPE-1 (PLAY), TAPE-2
13	46670600	Push SW., DECK SELECTOR
#14	47874810	Right Side Panel Ass'y
#15	84544900	Illumination Plate
#16	84544000	Display Plate
17	47822400	Illumination Holder
#18	47763901	Joint Shaft (1), POWER
19	07934000	Joint Shaft (2), POWER
#20	47874900	Left Side Pannel Ass'y
#⚠21	48721700	4.0A Fuse (CSA)
#⚠	07184700	1.0A Fuse (SEV)
#⚠	07188600	2.0A 250V Fuse (XX-V)
#⚠	07184800	1.25A 250V Fuse, (EU•BS•SEV)
#22	84514000	Power Supply Cord Cover

SANSUI

SANSUI ELECTRIC CO., LTD.: 14-1, Izumi 2-chome, Suginami-ku, Tokyo 168 Japan
PHONE: (03) 324-8891 / TELEX: 232-2076 (International Division)
SANSUI ELECTRONICS CORPORATION: 1250 Valley Brook Ave. Lyndhurst, N.J. 07071 U.S.A.
17150 South Margay Ave. Carson, California 90746 U.S.A.
3036 Koapaka Street. Honolulu, Hawaii 96819 U.S.A.
SANSUI ELECTRONICS (U.K.) LTD.: Unit 10A, Lyon Industrial Estate, Rockware Avenue, Greenford, Middx UB6, OAA, England
SANSUI ELECTRONICS G.M.B.H.: Paul Ehrich Strasse 8, 6074 Rödermark 2, West Germany
山水電気株式会社 HE国内営業部 サービス推進部 東京都三鷹市下連雀8-9-16(〒181)電話0422-46-8131

(SM2-10) (1987.09.M) <Stock No. 36532700>

537

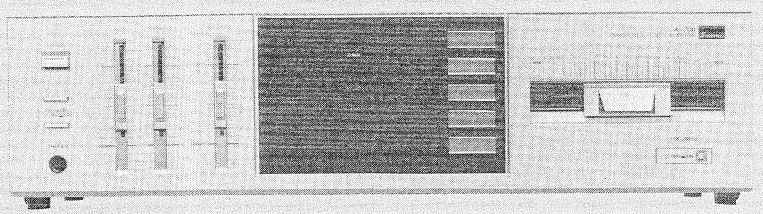
SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER

SANSUI A-700
(Silver & Black Model)

SANSUI A-730

CLASSIQUE A-730



CAUTION

1. Parts identified by the ⚠ symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

Sansui

SANSUI ELECTRIC CO., LTD.

•SPECIFICATIONS

Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.06% total harmonic distortion
55 watts per channel into 8 ohms

Load impedance ..... 8 ohms

Total harmonic distortion
..... less than 0.06% at or below rated min. RMS power output

Frequency response (at 1 watt)
..... 5 to 60,000 Hz +1 dB, −2 dB

RIAA curve deviation (PHONO, 20 Hz to 20 kHz)
..... +0.5 dB, −0.5 dB

Input sensitivity and impedance
(1 kHz, for rated power output)
PHONO ..... 2.5 mV/47 kilohms
(Max. input capability; 120mV at 1 kHz, less than 0.1% total harmonic distortion)
TUNER, TAPE PLAY .... 150 mV/47 kilohms

Output level (1 kHz)
TAPE REC ..... 130 mV into 47 kilohms

Signal to noise ratio (short-circuit, A-network)
PHONO ..... 72 dB
TUNER, TAPE PLAY .... 95 dB

Power requirements
Power voltage ..... 120/220/240V (50/60 Hz)
For U.S.A. & Canada
..... 120V (60 Hz)
Power consumption .... 205 watts 245 VA Rated
300 watts Maximum

Dimensions ..... 430 mm (16-15/16″) W
112 mm (4-7/16″) H
230 mm (9-1/16″) D

Weight ..... 5.2 kg (11.5 lbs.) net
5.8 kg (12.8 lbs.) packed

* Design and specifications subject to changes without notice for improvements.

Anleitung ist vom Vorläufer-Modell

537

CAUTION

1. The symbols, UL, CSA, SA, BS, UK, EU, AS, XX <EXPORT> and XX-V <EXPORT(V)> on the parts list and the schematic diagram mean followings respectively.

UL	Manufactured for U.S.A market. (Underwriters Laboratories approved model.)
CSA	Manufactured for Canadian market.
SA	Manufactured for South African market.
BS, UK	Manufactured for United Kingdom market.
EU	Manufactured for European market.
AS	Manufactured for Australian market.
XX <EXPORT>	Standard Version with Inner Voltage Selector.
XX-V <EXPORT(V)>	Standard Version with Outer Voltage Selector.
NON MARK	Common Parts.

2. Some printed circuit boards are not supplied as the assembled. To separate these in this service manual, the stock No's are not indicated at the ends of the board names. However, the individual parts on the circuit boards are provided by orders.

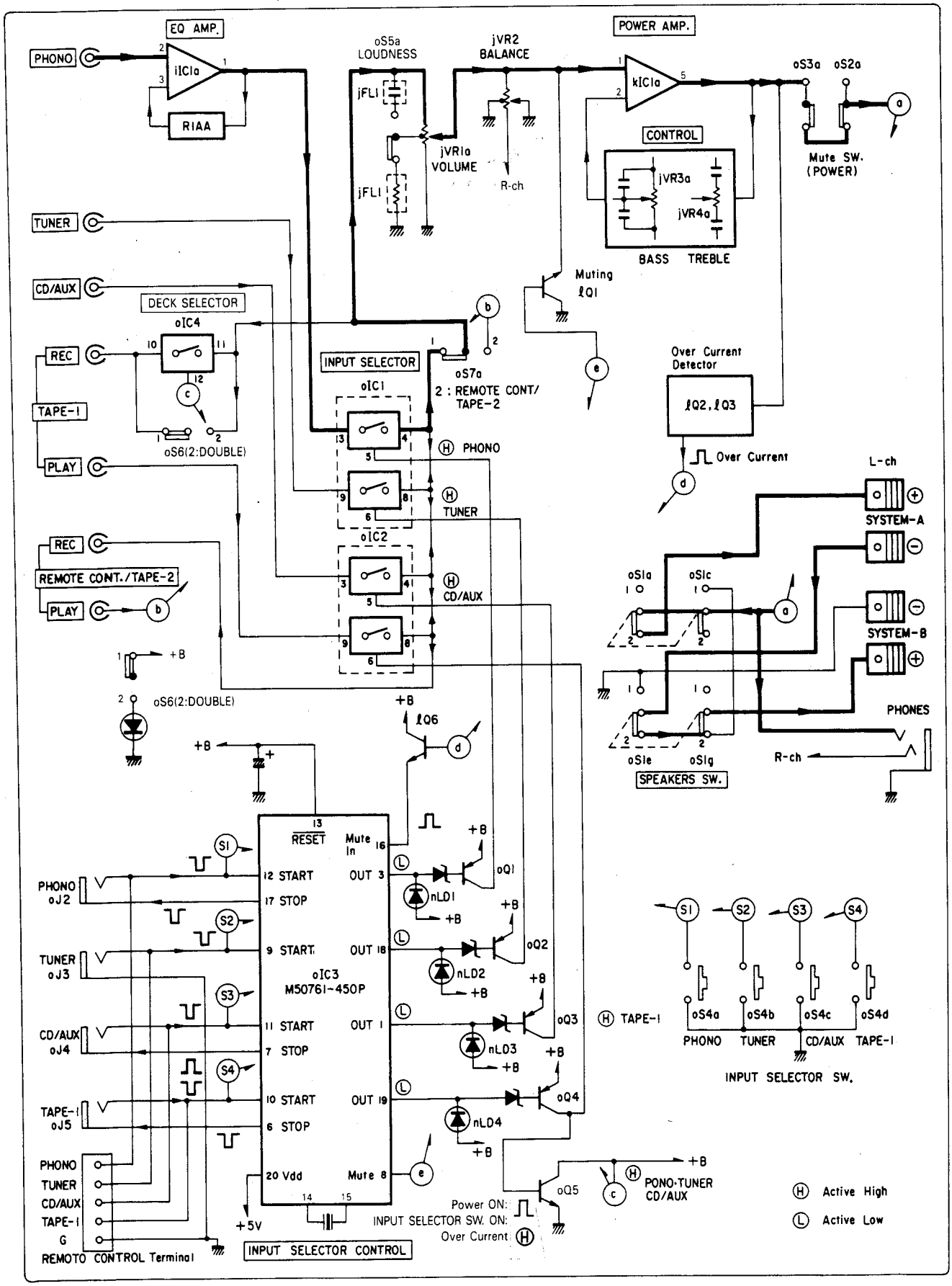
3. Since some of capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors & resistors, which was issued on February 1983.

4. Abbreviations in this service manual are as follows.

•Abbreviations List

C.R.	: Carbon Resistor	E.B.L.	: Low Leak Bi-Polar Electrolytic Capacitor
S.R.	: Solid Resistor	Ta.C.	: Tantalum Capacitor
Ce.R.	: Cement Resistor	F.C.	: Film Capacitor
M.R.	: Metal Film Resistor	M.P.	: Metalized Paper Capacitor
F.R.	: Fusing Resistor	P.C.	: Polystyrene Capacitor
N.I.R.	: Non-Inflammable Resistor	G.C.	: Gimmic Capacitor
A.R.	: Array Resistor	A.C.	: Array Capacitor
C.C.	: Ceramic Capacitor	V.R.	: Variable Resistor
C.T.	: Ceramic Capacitor, Temperature Compensation	S.V.R.	: Semi Variable Resistor
E.C.	: Electrolytic Capacitor	SW.	: Switch
E.L.	: Low Leak Electrolytic Capacitor	Chip R.	: Chip Resistor
E.B.	: Bi-Polar Electrolytic Capacitor	Chip C.	: Chip Capacitor

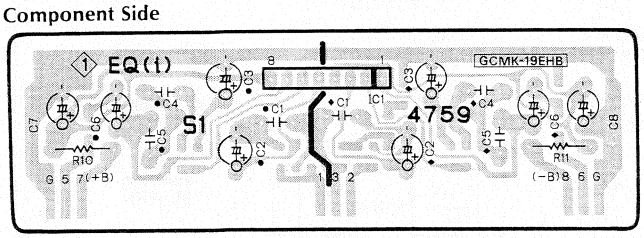
1. BLOCK DIAGRAM



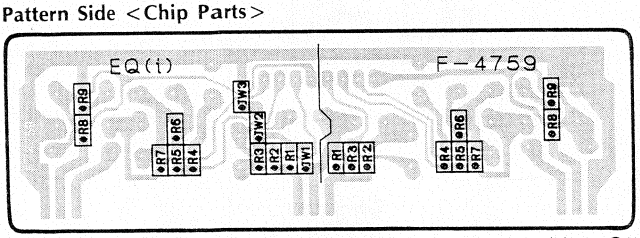
2. PARTS LOCATION & PARTS LIST

2-1. F-4759 Equalizer Amp. Board (Stock No. 00852601)

Component Side



Pattern Side <Chip Parts>



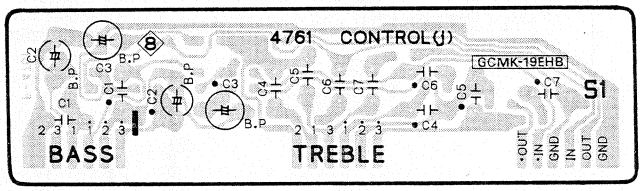
•Note: On this circuit board, the left channel is specified by "●" mark on top of the parts No.

Parts List

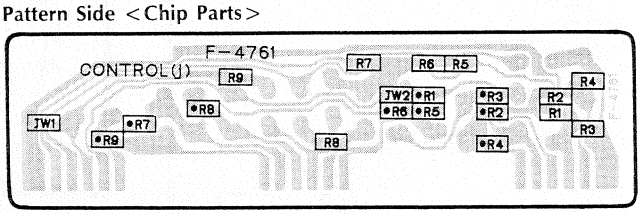
Parts No.	Stock No.	Description
•IC		
iIC1	46078900	M5218L
iJW1	46741100	Cross Conductor (Chip)
iJW2	46741100	Cross Conductor (Chip)
iJW3	46741100	Cross Conductor (Chip)
iR1	46752400	100kΩ 1/8W Chip R.
iR2	46746800	470Ω 1/8W Chip R.
iR3	46752400	100kΩ 1/8W Chip R.
iR4	46746900	510Ω 1/8W Chip R.
iR5	46746900	510Ω 1/8W Chip R.
iR6	46750800	22kΩ 1/8W Chip R.
iR7	46753500	300kΩ 1/8W Chip R.
iR8	46746800	470Ω 1/8W Chip R.
iR9	46752400	100kΩ 1/8W Chip R.
⚠iR10	46229000	100Ω 1/2W N.I.R.
⚠iR11	46229000	100Ω 1/2W N.I.R.
iC4	46282400	3300pF 50V F.C.
iC5	46283000	0.012μF 50V F.C.

2-2. F-4761 Tone Control Board

Component Side



Pattern Side <Chip Parts>



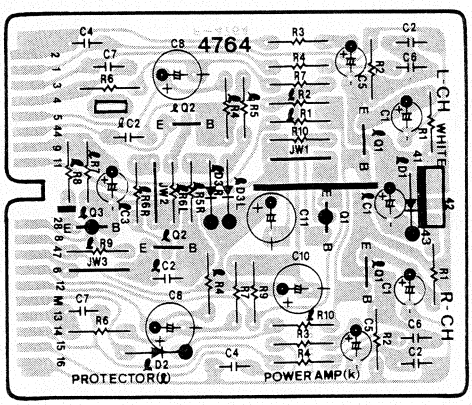
•Note: On this circuit board, the left channel is specified by "●" mark on top of the parts No.

Parts List

Parts No.	Stock No.	Description
jJW1	46741100	Cross Conductor (Chip)
jJW2	46741100	Cross Conductor (Chip)
jR1	46750200	12kΩ 1/8W Chip R.
jR2	46748200	1.8kΩ 1/8W Chip R.
jR3	46753400	270kΩ 1/8W Chip R.
jR4	46751000	27kΩ 1/8W Chip R.
jR5	46751700	51kΩ 1/8W Chip R.
jR6	46748400	2.2kΩ 1/8W Chip R.
jR7	46749400	5.6kΩ 1/8W Chip R.
jR8	46749600	6.8kΩ 1/8W Chip R.
jR9	46747200	680Ω 1/8W Chip R.
jC1	46283600	0.039μF 50V F.C.
jC2	46937000	0.22μF 50V E.B.
jC3	48101800	47μF 10V E.B.
jC4	46281800	1000pF 50V F.C.
jC5	46282800	8200pF 50V F.C.
jC6	46282700	6800pF 50V F.C.

2-3. F-4764 Power Amp. Sub Board (Stock No. 00867601)

Component Side

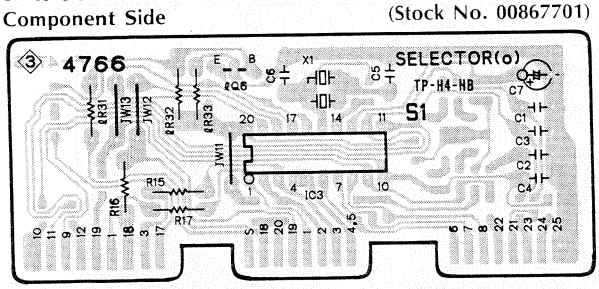


Parts List

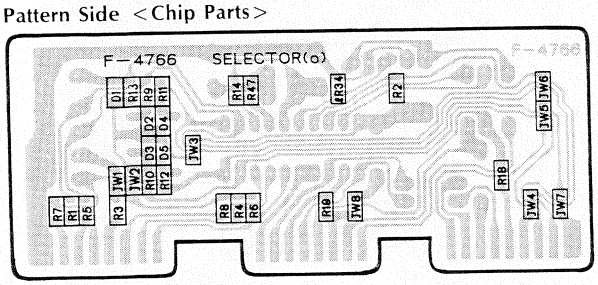
Parts No.	Stock No.	Description
•Transistor		
kQ1	46581601	2SA992
	or 46614001	2SA1283
	or 46947301	2SA1049
⚠kR9	46229000	100Ω 1/2W N.I.R.
lQ1	46367101	2SC2603
	or 46367301	2SC2458
	or 46392101	2SC2785
lQ2	46367101	2SC2603
	or 46367301	2SC2458
	or 46391901	2SC2785
lQ3	46581601	2SA992
	or 46614001	2SA1283
	or 46947301	2SA1049
•Diode		
lD1	03117600	1S2473T77
	or 46086000	1S1588TP-3
lD2	03117600	1S2473T77
	or 46086000	1S1588TP-3
lD3	03117600	1S2473T77
	or 46086000	1S1588TP-3
lC2	46284100	0.1μF 50V F.C.

2-4. F-4766 INPUT SELECTOR Control Board

Component Side (Stock No. 00867701)



Pattern Side <Chip Parts>

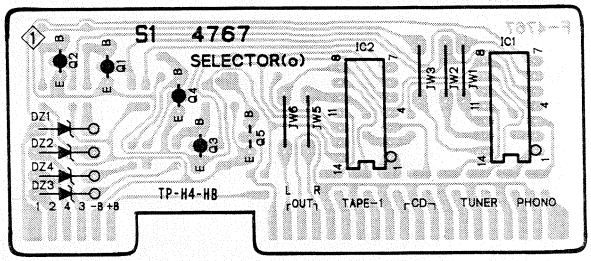


Parts List

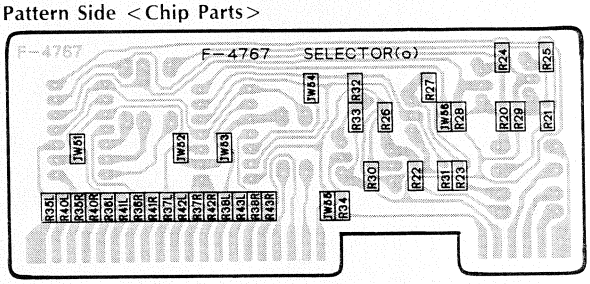
Parts No.	Stock No.	Description
•Transistor		
IQ6	46367101	2SC2603
	or 46367301	2SC2458
	or 46391901	2SC2785
IR34	46749200	4.7kΩ 1/8W Chip R.
•IC		
oIC3	48158300	M50761-450P
oX01	46396200	Ceramic Element CSB400P
•Diode		
oD1	46852000	RLS-73 (Chip)
oD2	46852000	RLS-73 (Chip)
oD3	46852000	RLS-73 (Chip)
oD4	46852000	RLS-73 (Chip)
oD5	46852000	RLS-73 (Chip)
oJW1 ~ 8	46741100	Cross Conductor (Chip)
oR1	46748000	1.5kΩ 1/8W Chip R.
oR2	46748000	1.5kΩ 1/8W Chip R.
oR3	46748000	1.5kΩ 1/8W Chip R.
oR4	46748000	1.5kΩ 1/8W Chip R.
oR5	46748000	1.5kΩ 1/8W Chip R.
oR6	46748000	1.5kΩ 1/8W Chip R.
oR7	46748000	1.5kΩ 1/8W Chip R.
oR8	46748000	1.5kΩ 1/8W Chip R.
oR9	46750000	10kΩ 1/8W Chip R.
oR10	46750000	10kΩ 1/8W Chip R.
oR11	46750000	10kΩ 1/8W Chip R.
oR12	46750000	10kΩ 1/8W Chip R.
oR13	46752400	100kΩ 1/8W Chip R.
oR14	46754800	1MΩ 1/8W Chip R.
oR18	46746600	390Ω 1/8W Chip R.
oR19	46751800	56kΩ 1/8W Chip R.
oR47	46748700	3kΩ 1/8W Chip R.

2-5. F-4767 INPUT SELECTOR Board

Component Side (Stock No. 00867801)



Pattern Side <Chip Parts>

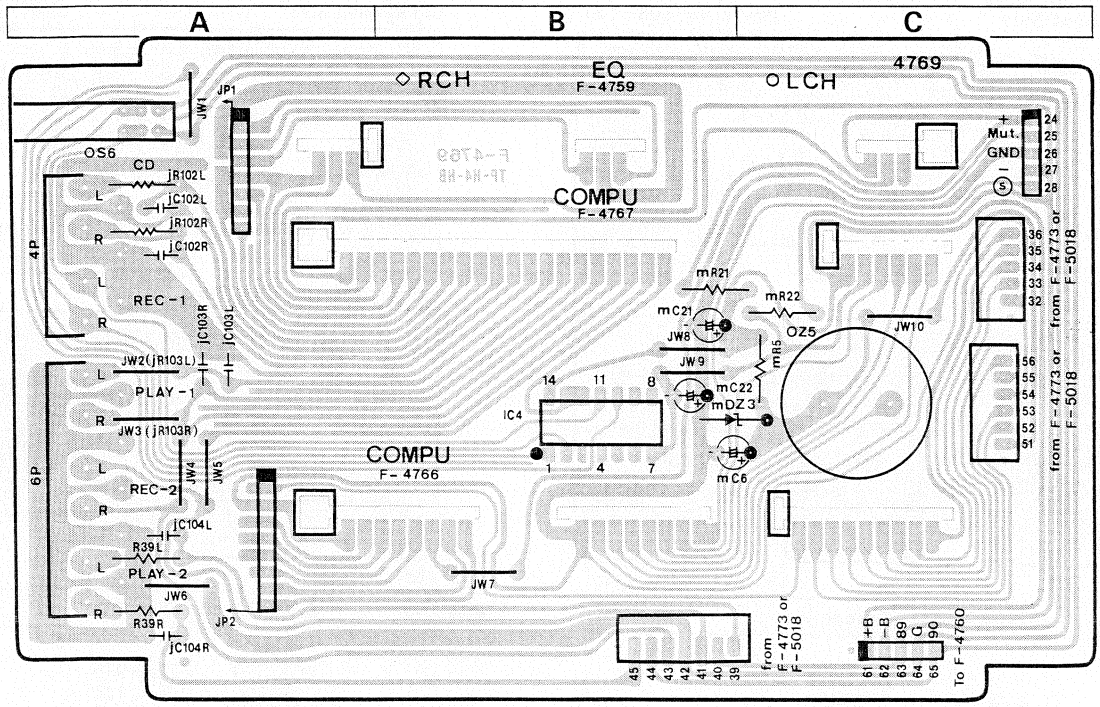


Parts List

Parts No.	Stock No.	Description
•Transistor		
oQ1	46188601	2SA1015
	or 46367001	2SA1115
	or 46367201	2SA1048
oQ2	46188601	2SA1015
	or 46367001	2SA1115
	or 46367201	2SA1048
oQ3	46188601	2SA1015
	or 46367001	2SA1115
	or 46367201	2SA1048
oQ4	46188601	2SA1015
	or 46367001	2SA1115
	or 46367201	2SA1048
oQ5	46188701	2SC1815
	or 46367101	2SC2603
	or 46367301	2SC2458
•IC		
oIC1	46255000	LC4066BH
	or 48056800	LC4966
oIC2	46255000	LC4066BH
	or 48056800	LC4966
•Zener Diode		
oDZ1	46112700	05Z8.2-Y
oDZ2	46112700	05Z8.2-Y
oDZ3	46112700	05Z8.2-Y
oDZ4	46112700	05Z8.2-Y
oJW51 ~ 56	46741100	Cross Conductor (Chip)
oR20	46747200	680Ω 1/8W Chip R.
oR21	46747200	680Ω 1/8W Chip R.
oR22	46747200	680Ω 1/8W Chip R.
oR23	46747200	680Ω 1/8W Chip R.
oR24	46749200	4.7kΩ 1/8W Chip R.
oR25	46749200	4.7kΩ 1/8W Chip R.
oR26	46749200	4.7kΩ 1/8W Chip R.
oR27	46749200	4.7kΩ 1/8W Chip R.
oR28	46751600	47kΩ 1/8W Chip R.
oR29	46751600	47kΩ 1/8W Chip R.
oR30	46751600	47kΩ 1/8W Chip R.
oR31	46751600	47kΩ 1/8W Chip R.
oR32	46750800	22kΩ 1/8W Chip R.
oR33	46749200	4.7kΩ 1/8W Chip R.
oR34	46751600	47kΩ 1/8W Chip R.
oR35	46749200	4.7kΩ 1/8W Chip R.
oR36	46749200	4.7kΩ 1/8W Chip R.
oR37	46749200	4.7kΩ 1/8W Chip R.
oR38	46749200	4.7kΩ 1/8W Chip R.
oR40	46754000	470kΩ 1/8W Chip R.
oR41	46754000	470kΩ 1/8W Chip R.
oR42	46754000	470kΩ 1/8W Chip R.
oR43	46754000	470kΩ 1/8W Chip R.

2-6. F-4769 Input Terminal Board

Component Side



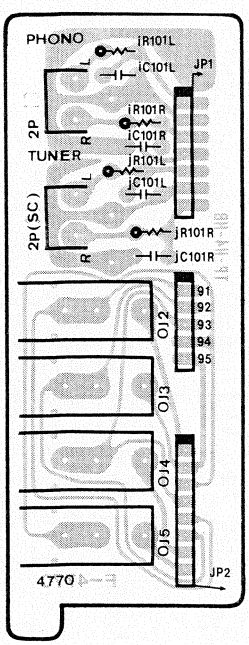
Parts List

Parts No.	Stock No.	Description
•Zener Diode		
mDZ3	46100900	05Z5.1-X
	or 46101000	05Z5.1-Y
⚠mR5	46229700	390Ω 1/2W N.I.R.
•IC		
oIC4	46255000	LC4066BH
	or 48056800	LC4966

Parts No.	Stock No.	Description
oS6	46670600	Push SW., DECK SELECTOR
oZ3	46546800	6P Terminal Board, TAPE-1 (PLAY)•TAPE-2
oZ6	46371500	4P Terminal Board, CD/AUX•TAPE-1 (REC)

2-7. F-4770 COMPU SELECTOR Jack Board

Component Side

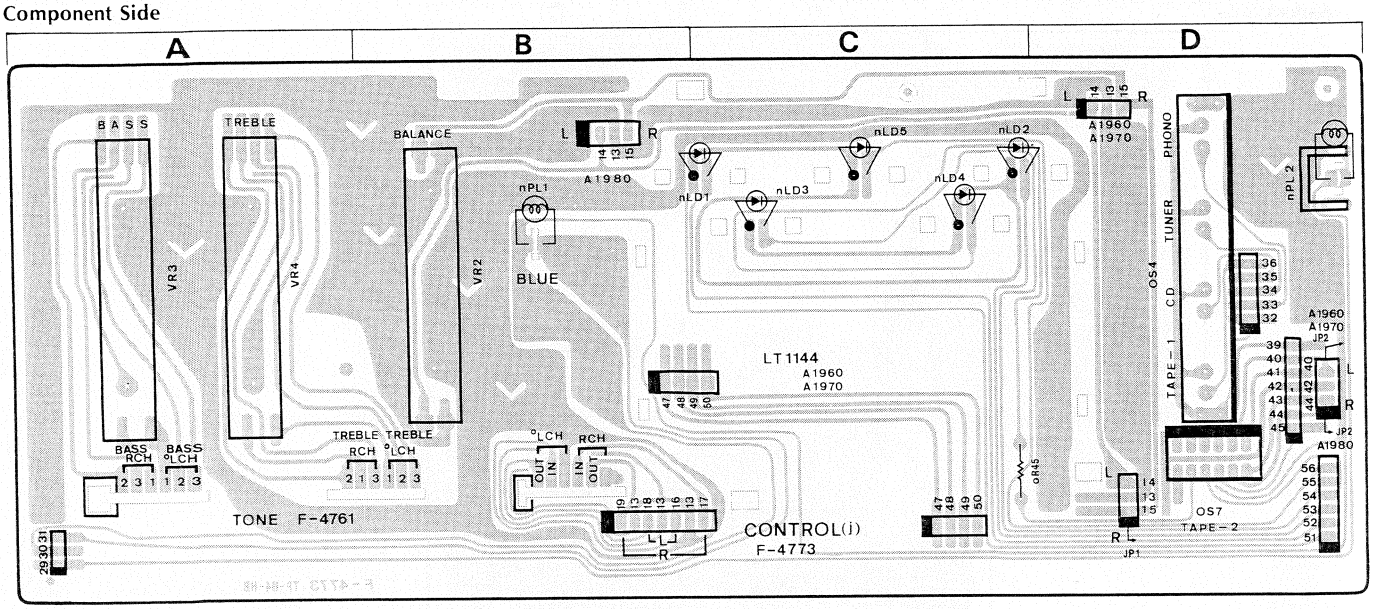


Parts List

Parts No.	Stock No.	Description
oJ2	46547200	Jack, PHONO (COMPU SELECTOR)
oJ3	46547200	Jack, TUNER (COMPU SELECTOR)
oJ4	46547200	Jack, CD (COMPU SELECTOR)
oJ5	46547200	Jack, TAPE-1 (COMPU SELECTOR)
oZ2	46438100	2P Terminal Board, PHONO
oZ7	46363700	2P Terminal Board, TUNER

2-8. F-4773 Tone Control & BALANCE Volume Board

Component Side

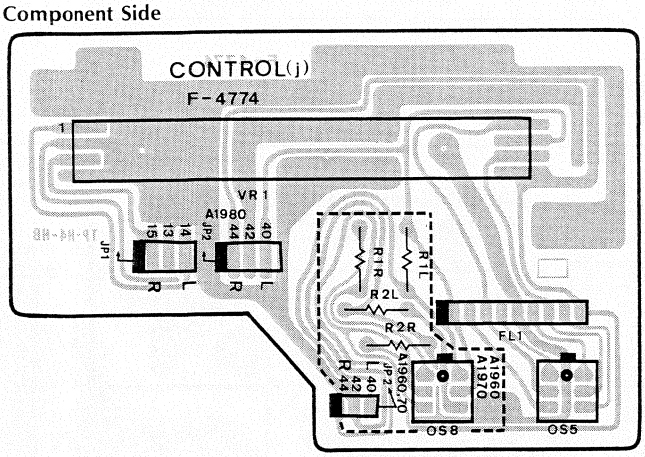


Parts List

Parts No.	Stock No.	Description
jVR2	48171100	250KΩ (W) V.R., BALANCE
jVR3	48171200	50kΩ (C) V.R., BASS
jVR4	48171200	50kΩ (C) V.R., TREBLE
•LED		
nLD1	48172100	BR3447S
nLD2	48172100	BR3447S
nLD3	48172100	BR3447S
nLD4	48172100	BR3447S
nLD5	48172100	BR3447S
nPL1	48191900	12V 0.15A Pilot Lamp
nPL2	46286600	12V 0.15A Pilot Lamp
oS4	48178600	Push SW., PHONO•TUNER•CD/AUX•TAPE-1
oS7	46556300	Push SW., REMOTE CONT./TAPE-2

2-9. F-4774 VOLUME Control & LOUDNESS SW. Board

Component Side

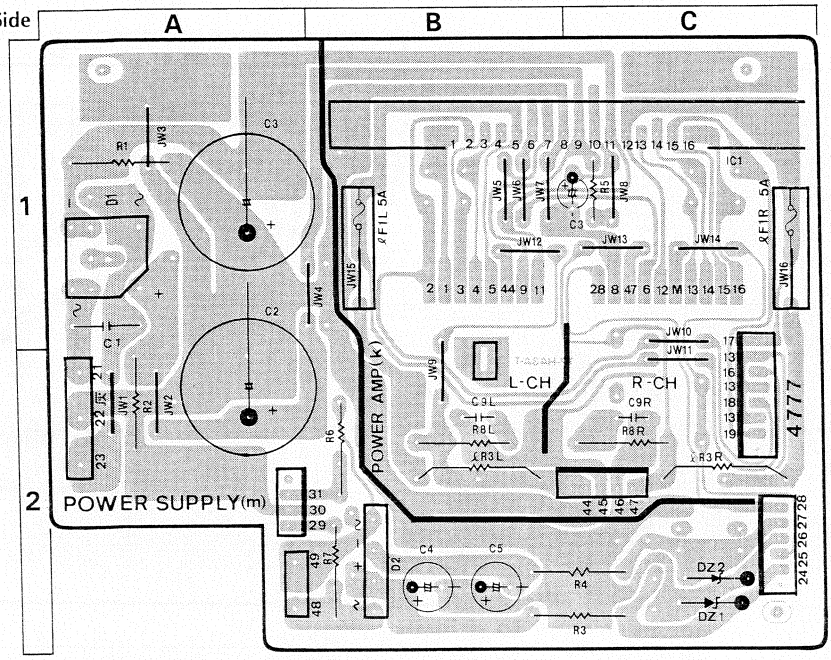


Parts List

Parts No.	Stock No.	Description
jFL1	48172000	CR Module (TCB09T0009)
jVR1	48171000	150kΩ (B) V.R., VOLUME
oS5	48183000	Push SW., LOUDNESS

2-10. F-4777 Power Supply & Power Amp. Board (Stock No. 00868301)

Component Side



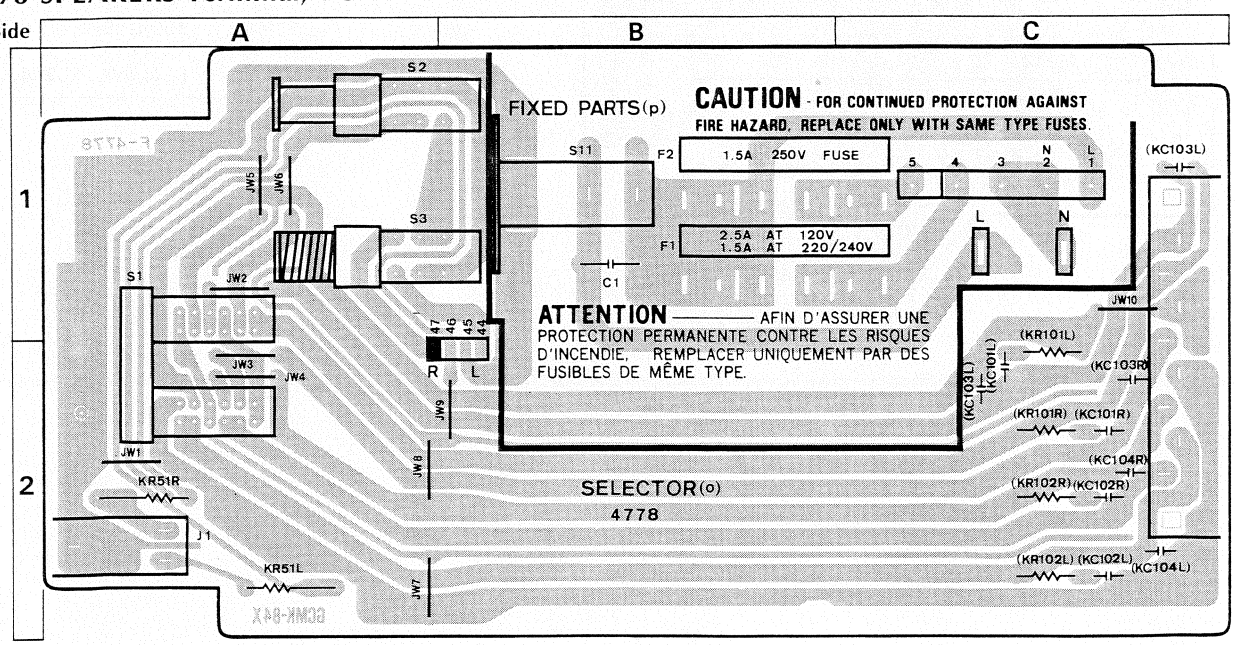
Parts List

Parts No.	Stock No.	Description
•IC		
⚠kIC1	48065400	STK4913
⚠kR5	46229000	100Ω 1/2W N.I.R.
⚠kR8	46248100	10Ω 1/2W N.I.R.
⚠kR9	46229000	100Ω 1/2W N.I.R.
kC9	46281300	0.047μF 50V F.C.
⚠IR3	46621100	0.22Ω 2W N.I.R.
•Diode		
⚠mD1	48177400	DBA40-C
⚠mD2	03117000	RB152-LFF

Parts No.	Stock No.	Description
•Zener Diode		
mDZ1	46103600	05Z12-X
	or 46103700	05Z12-Y
mDZ2	46103600	05Z12-X
	or 46103700	05Z12-Y
⚠mR1	46251400	5.6kΩ 1W N.I.R.
⚠mR2	46251400	5.6kΩ 1W N.I.R.
⚠mR3	46249800	270Ω 1W N.I.R.
⚠mR6	46248700	33Ω 1W N.I.R.
⚠mR7	46248700	33Ω 1W N.I.R.
mC1	08680400	0.01μF 500V C.C.
mC2	46395200	4700μF 56V E.C.
mC3	46395200	4700μF 56V E.C.

2-11. F-4778 SPEAKERS Terminal, POWER & SPEAKERS SW. Board

Component Side



A-700/A-730
CLASSIQUE A-730

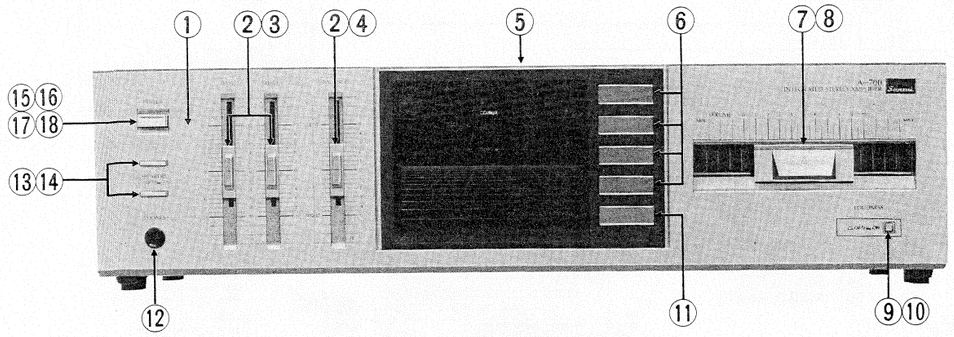
Parts List <F-4778>

Parts No.	Stock No.	Description
⚠kR51	46229400	220Ω 1/2W N.I.R.
⚠kR101	46248100	10Ω 1/2W N.I.R.
⚠kR102	46248100	10Ω 1/2W N.I.R.
oS1	48170900	Push SW., SPEAKERS
oS2	46414000	Push SW., Mute SW. (POWER)
oS3	46360800	Push SW., Mute SW. (POWER)
oJ1	46265700	Jack, PHONES
oZ4	46947500	8P Terminal Board, SPEAKERS
⚠pC1	46425800	0.01μF 400V C.C.
⚠	or 46943200	0.01μF 400V C.C.
⚠	or 48186700	0.01μF 400V C.C.

Parts No.	Stock No.	Description
⚠pF1	07189000	4.0A 250V Fuse, (120V) <XX•UL•CSA>
⚠	07188600	2.0A 250V Fuse, (220V/240V) <XX>•(120V/220V/240V) <XX-V>
⚠	07184800	1.25A 250V Fuse, (220V/240V) <EU•BS•AS>
⚠pF2	07188600	2.0A 250V Fuse, (120V/220V/240V) <XX-V>
⚠pS11	46364300	Push SW., POWER

3. OTHER PARTS

3-1. Front View

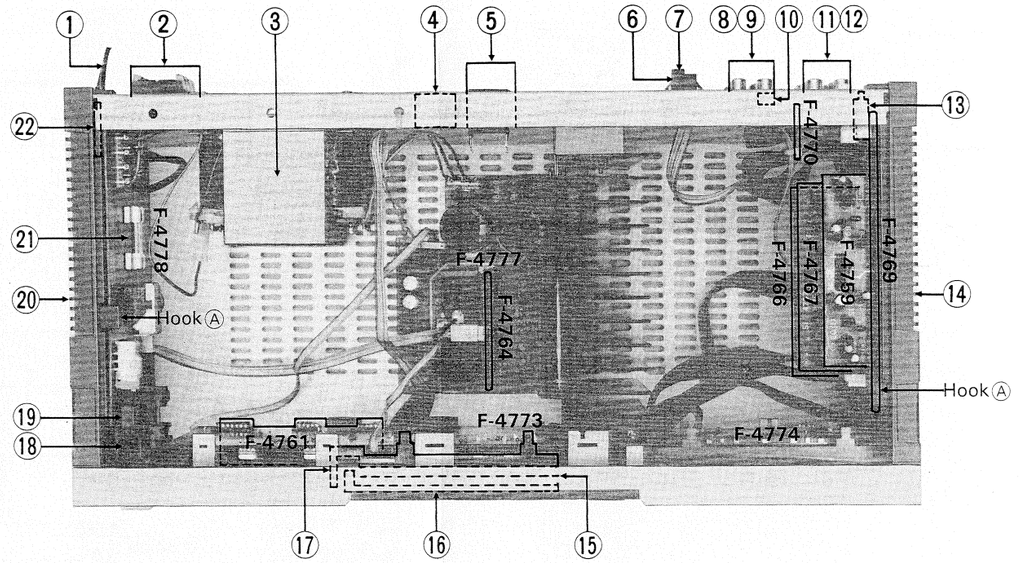


Parts List <Front View>

Parts No.	Stock No.	Description
1	47796700	Front Panel Ass'y for A-700 Silver Model <XX•XX-V•UL•EU•BS•AS>
	47796600	Front Panel Ass'y for A-700 Black Model <XX•XX-V•UL•EU•BS•AS>
	47866600	Front Panel Ass'y for A-700 Silver Model <CSA>
	47866700	Front Panel Ass'y for A-700 Black Model <CSA>
	47884800	Front Panel Ass'y for A-730
	47884900	Front Panel Ass'y for CLASSIQUE A-730
2	47732900	Slide Knob, BASS•TREBLE•BALANCE
3	48171200	50kΩ(C) Slide V.R., BASS•TREBLE
4	48171100	250kΩ Slide V.R., BALANCE
5	47874500	Bonnet for A-700 Silver Model
	47874600	Bonnet for A-700 Black Model•A-730•CLASSIQUE A-730
6	48178600	Push SW., PHONO•TUNER•CD/AUX TAPE-1
7	47761400	Knob Ass'y, VOLUME for A-700 Silver Model
	47761500	Knob Ass'y, VOLUME for A-700 Black Model•A-730•CLASSIQUE A-730

Parts No.	Stock No.	Description
8	48171000	150kΩ(B) V.R., VOLUME
9	47763400	Push Knob, LOUDNESS for A-700 Silver Model
	47763500	Push Knob, LOUDNESS for A-700 Black Model•A-730•CLASSIQUE A-730
10	48183000	Push SW., LOUDNESS
11	46556300	Push SW., REMOTE CONT./TAPE-2
12	46265700	Jack, PHONES
13	47716800	Push Knob, SPEAKERS for A-700 Silver Model
	07911000	Push Knob, SPEAKERS for A-700 Black Model•A-730•CLASSIQUE A-730
14	48170900	Push SW., SPEAKERS
15	47746800	Push Knob, POWER for A-700 Silver Model
	47746900	Push Knob, POWER for A-700 Black Model•A-730•CLASSIQUE A-730
⚠16	46364300	Push SW., POWER
17	46414000	Push SW., Mute SW.
18	46360800	Push SW., Mute SW.

3-2. Top View



Parts List <Top View>

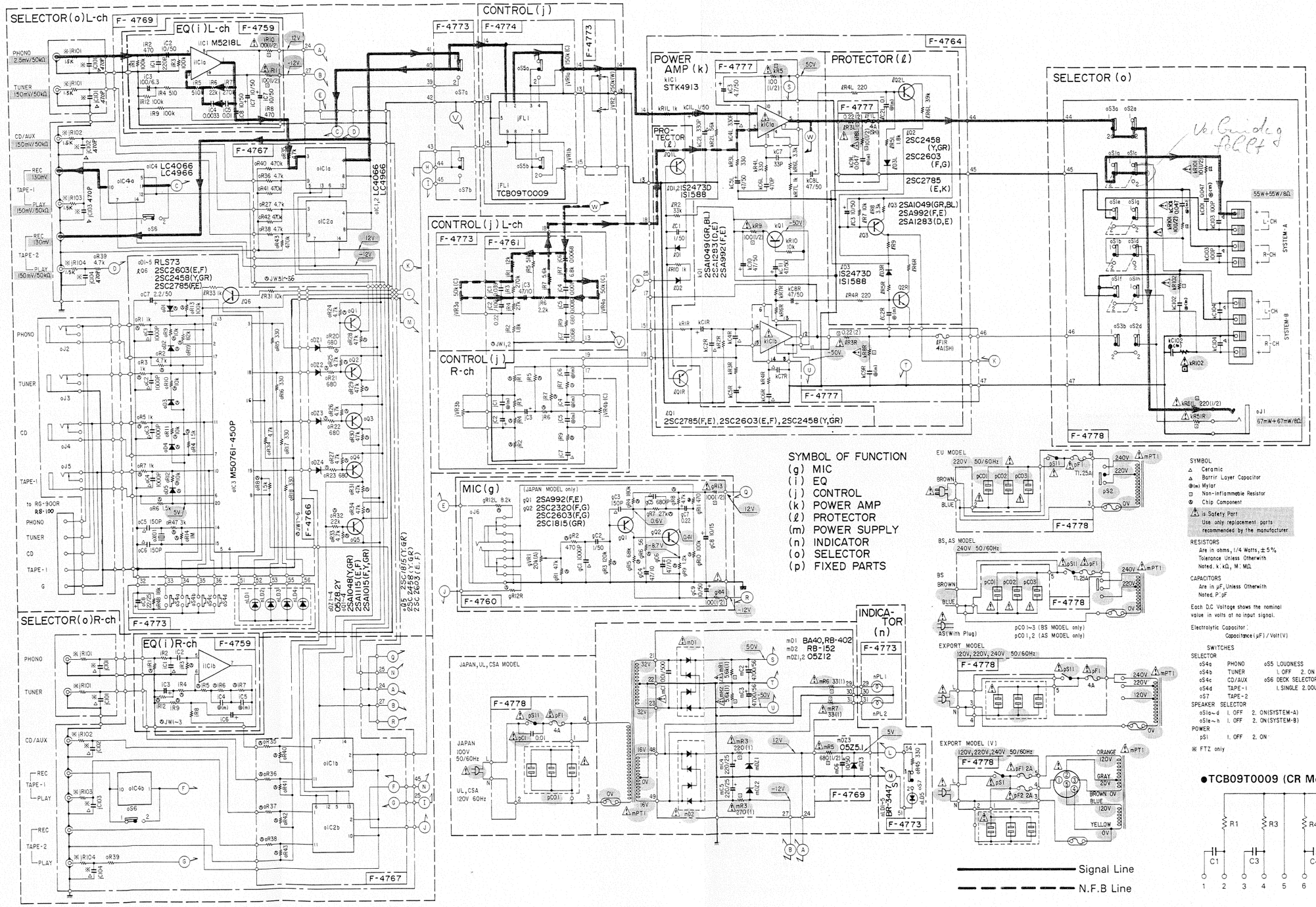
Parts No.	Stock No.	Description
⚠ 1	38004700	Power Supply Cord <XX•XX-V•UL>
⚠	48187800	Power Supply Cord <CSA>
⚠	38004500	Power Supply Cord <EU>
⚠	38004300	Power Supply Cord <BS>
⚠	07204200	Power Supply Cord <AS>
2	46947500	8P Terminal Board, SPEAKERS
⚠ 3	15020001	Power Transformer <XX>
⚠	15020002	Power Transformer <UL•CSA>
⚠	15020005	Power Transformer <EU•BS•AS>
⚠	15020009	Power Transformer <XX-V>
⚠ 4	48175200	Voltage Selector <XX-V>
⚠	07204700	Slide SW., Voltage Selector <EU•BS•AS>
⚠ 5	46360100	AC Outlet <XX•XX-V•UL>
⚠	48184800	AC Outlet <CSA>
⚠	46161000	AC Outlet <EU>
⚠	46364800	AC Outlet <BS>
⚠	46580600	AC Outlet <AS>
6	48197700	5P Terminal Board (with wire), REMOTE CONTROL
7	22301510	GND Terminal
8	46438100	2P Terminal Board, PHONO
9	46363700	2P Terminal Board, TUNER
10	46547200	Jack, COMPU SELECTOR
11	46371500	4P Terminal Board, CD/AUX TAPE-1 (REC)

Parts No.	Stock No.	Description
12	46546800	6P Terminal Board, TAPE-1 (PLAY) TAPE-2
13	46670600	Push SW., DECK SELECTOR
14	47768700	Right Side Panel Ass'y for A-700 Silver Model
	47874800	Right Side Panel Ass'y for A-700 Black Model•A-730•CLASSIQUE A-730
15	47796400	Illumination Plate
16	47796300	Display Plate
17	47822400	Illumination Holder
18	47763900	Joint Shaft (1), POWER
19	07934000	Joint Shaft (2), POWER
20	47768800	Left Side Panel Ass'y for A-700 Silver Model
	47874900	Left Side Panel Ass'y for A-700 Black Model•A-730•CLASSIQUE A-730
⚠21	07189000	4.0A 250V Fuse, (120V) <XX•UL•CSA>
⚠	07188600	2.0A 250V Fuse, (220V/240V) <XX>•(120V/220V/240V) <XX-V>
⚠	07184800	1.25A 250V Fuse, (220V/240V) <EU•BS•AS>
22	47770900	Power Supply Cord Cover

A-700/A-730
CLASSIQUE A-730

4. SCHEMATIC DIAGRAM

* Design and specifications subject to change without notice for improvement.
* La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



SYMBOL
△ Ceramic
▲ Barrir Layer Capacitor
Ⓜ Mylar
▯ Non-inflammable Resistor
Ⓒ Chip Component
⚠ is Safety Part
Use only replacement parts recommended by the manufacturer

RESISTORS
Are in ohms, 1/4 Watts, ± 5%
Tolerance Unless Otherwith
Noted. k: kΩ, M: MΩ

CAPACITORS
Are in μF, Unless Otherwith
Noted. P: pF

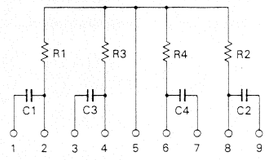
Each D.C Voltage shows the nominal value in volts at no input signal.

Electrolytic Capacitor:
Capacitance (μF) / Volt(V)

SWITCHES
SELECTOR
oS4a PHONO
oS4b TUNER
oS4c CD/AUX
oS4d TAPE-1
oS7 TAPE-2
SPEAKER SELECTOR
oS1a~d 1. OFF 2. ON(SYSTEM-A)
oS1e~h 1. OFF 2. ON(SYSTEM-B)
POWER
pS1 1. OFF 2. ON
oS5 LOUDNESS
1. OFF 2. ON
oS6 DECK SELECTOR
1. SINGLE 2. DOUBLE

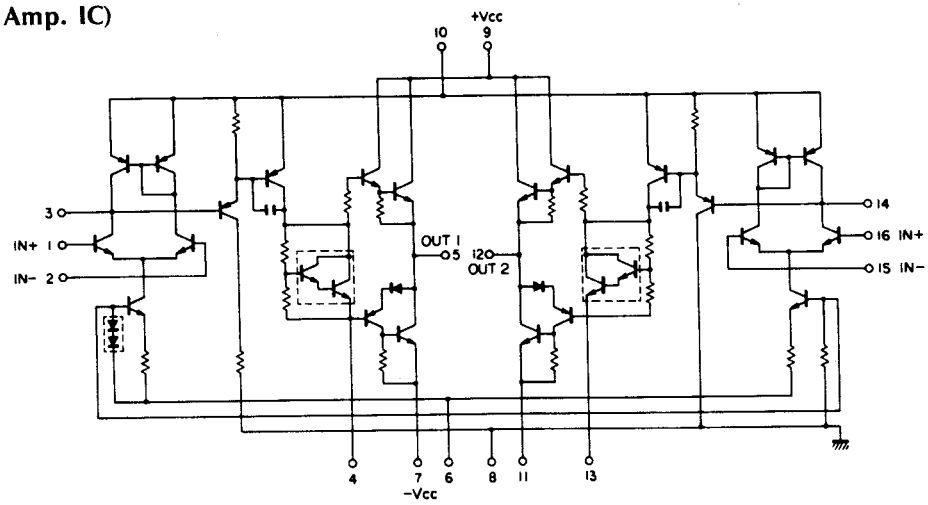
※ FTZ only

●TCB09T0009 (CR Module)

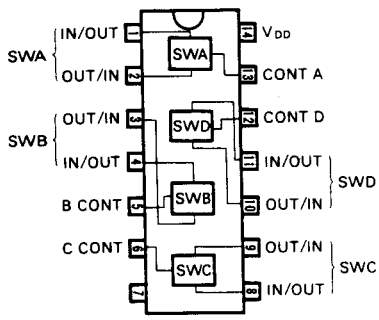


5. INTERIOR BLOCK DIAGRAM OF IC

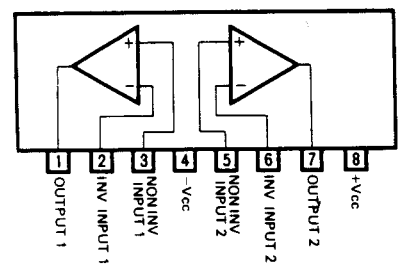
•STK4913 (Power Amp. IC)



•LC4966/LC4066BH (Quad Bi-lateral SW. IC)



•M5218L (Audio Pre Amp. IC)

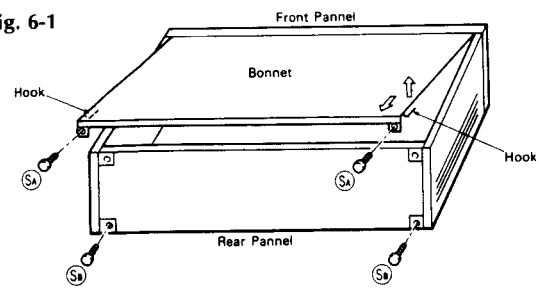


6. MAIN PARTS REPLACEMENT

A. Bonnet (See Fig. 6-1)

1) Remove two screws Ⓢa.
2) Pull the rear side of the bonnet to remove the hooks and then remove bonnet.

Fig. 6-1



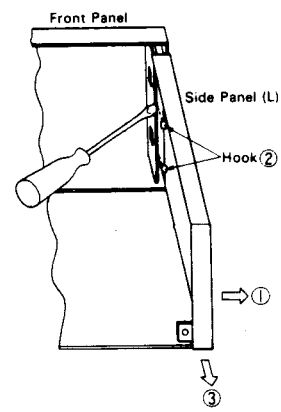
B. Bottom Plate

1) Remote two screws Ⓢb (Fig. 6-1).
2) Pull the rear side of the bonnet to remove the hooks and then remove bottom plate.

C. Side Panel L (R) (See 3-2. Top View on Page 8 & Fig. 6-2)

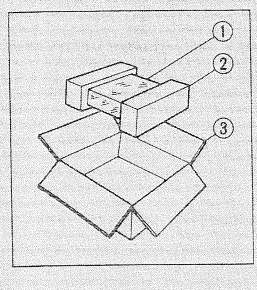
1) Remove bonnet and bottom plate.
2) Push up hooks Ⓐ (upper side & bottom side) of side panel ass'y and separete F-4778 (or F-4769) board from side panel ass'y.
3) Shift the position of the side panel L (R) 1.5cm in the arrow direction ①.
4) Remove the hooks ② of the side panel from front panel and then pull it the arrow direction ③ to remove the side panel L (R).

Fig. 6-2



7. PACKING LIST

Parts No.	Stock No.	Description
1	47859900	Vinyl Cover
2	47764600	Styrofoam Packing
3	47796000	Carton Case for A-700 Silver Model <XX·UL·CSA·EU·BS·AS>
	47795900	Carton Case for A-700 Black Model <XX·UL·CSA·EU·BS·AS>
	47795800	Carton Case for A-700 Silver Model <XX-V>
	47795700	Carton Case for A-700 Black Model <XX-V>
	47888100	Carton Case for CLASSIQUE A-730
	47887800	Carton Case for A-730



8. ACCESSORY LIST

	Stock No.	Description
	46967300	Operating Instruction for A-700
	46968000	Operating Instruction for A-730
	46967400	Operating Instruction for CLASSIQUE A-730

•**Note:** XX-V <EXPORT (V)> Standard Version with Inner Voltage Selector.
("V" mark is indicated on the carton case.)

SANSUI ELECTRIC CO., LTD.:
SANSUI ELECTRONICS CORPORATION:
SANSUI ELECTRONICS (U.K.) LTD.:
SANSUI ELECTRONICS G.M.B.H.:

(SM1-225) Printed in Japan (150420M) <Stock No. 36513000>